

preliminary  
amendment 10/23/2003

10/692, 370

Amendments to the Claims are as follows:

4,436,336

preliminary  
Claims 1-6 Cancelled

-sphere  
-round

7. (New) A liquid crystal display comprising:

a pair of substrates which oppose each other with a liquid crystal layer therebetween; *Claim 1, lines 13-14 of 6,641,015 B2*

a light source provided on an exterior of one of the substrates;

and

*Claim 1, lines 16-17 of 6,641,015 B2*

[a transreflective layer comprising at least an organic film and a metallic reflection film disposed on an inner face of one of the substrates, *Claim 1, lines 1-3*

wherein a plurality of concave portions are contiguously formed on a surface of the organic film, an inner surface of each concave portion constituting a part of a spherical surface, *Claim 1, lines 4-7*

wherein a depth of the concave portions is in the range of 0.1 to 3  $\mu\text{m}$ , an inclination angle of the inner surface of each concave portion is in the range of -30 degrees to +30 degrees, and a pitch of adjoining concave portions is in the range of 5 to 50  $\mu\text{m}$ . *Claim 1, lines 9-13*

8. (New) A liquid crystal display comprising:

a pair of substrates which oppose each other with a liquid crystal layer therebetween;

a light source provided on an exterior of one of the substrates;

and [a transreflector comprising at least a resin base and a metallic reflection film disposed on an outer face of one of the substrates;

wherein a plurality of concave portions are contiguously formed on a surface of the resin base, an inner surface of each concave portion constituting a part of a spherical surface,

wherein a depth of the concave portions is in the range of 0.1 to 3  $\mu\text{m}$ , an inclination angle of the inner surface of each concave portion is in the range of -30 degrees to +30 degrees, and a pitch of adjoining concave portions is in the range of 5 to 50  $\mu\text{m}$ .

claim to  
putting  
preamble  
into  
claim  
body

statutory  
nb.  
not statutory  
double  
enting

9. (New) A liquid crystal display according to Claim 8, wherein the metallic reflection film has a thickness of 80 to 500 Å.

$0.3 \times 10^{-9} \text{ m}$  to  $50 \times 10^{-6}$   
 $80 \times 10^{-10}$  to  $500 \times 10^{-10}$

**WHAT IS CLAIMED IS:**

1. A liquid crystal display comprising:  
a pair of substrates which oppose each other with a  
liquid crystal layer therebetween;  
a light source provided on the exterior of one of the  
substrates; and  
at least an organic film, a metallic reflection film,  
an overcoat film, an electrode layer, and an alignment film  
formed on the inner face of one of the substrates,  
wherein many concaves are contiguously formed on a  
surface of the organic film, the inner surface of each  
concave constituting a part of a spherical surface, and the  
metallic reflection film has a thickness of 80 to 500 Å.
2. A liquid crystal display according to Claim 1,  
wherein the metallic reflection film has a thickness of 80  
to 100 Å.
3. A liquid crystal display according to Claim 1,  
wherein the depth of the concaves is in the range of 0.1 to  
3  $\mu\text{m}$ , the inclination angle of the inner surface of each  
concave is in the range of -30 degrees to +30 degrees, and  
the pitch of the adjoining concaves is in the range of 5 to  
50  $\mu\text{m}$ .
4. A transflector comprising:

a base having many concaves contiguously formed on a surface thereof, the inner surface of each concave constituting a part of a spherical surface; and  
a metallic reflection film formed on the surface of the base,

wherein the depth of the concaves is in the range of 0.1 to 3  $\mu\text{m}$ , the inclination angle of the inner surface of each concave is in the range of -30 degrees to +30 degrees, the pitch of the adjoining concaves is in the range of 5 to 50  $\mu\text{m}$ , and the reflection film has a thickness of 80 to 500 Å.

5. A transflector according to Claim 4, wherein the reflection film has a thickness of 80 to 100 Å.

6. A liquid crystal display comprising a transflector according to Claim 4.